

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number  
WO 2005/034167 A2

(51) International Patent Classification<sup>7</sup>: H01J 35/00

(21) International Application Number:

PCT/IB2004/051996

(22) International Filing Date: 6 October 2004 (06.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03103708.8 7 October 2003 (07.10.2003) EP

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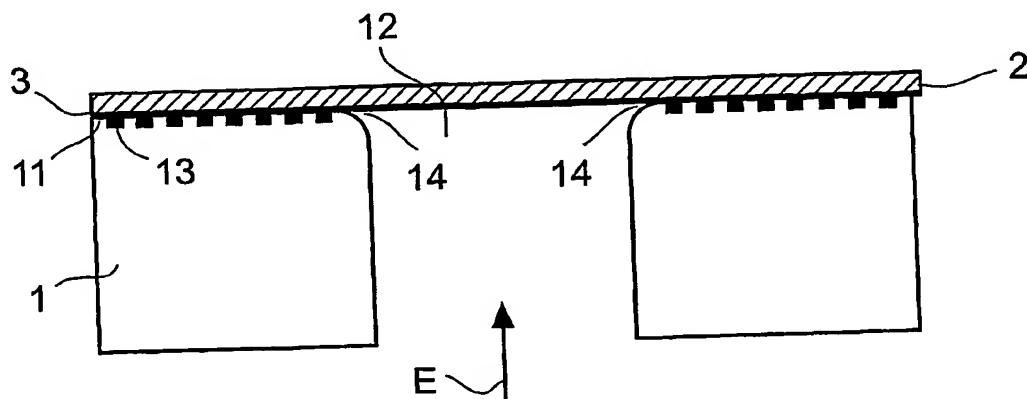
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: METHOD OF MANUFACTURING A WINDOW TRANSPARENT FOR ELECTRONS OF AN ELECTRON BEAM, IN PARTICULAR OF AN X-RAY SOURCE



WO 2005/034167 A2

(57) Abstract: The present invention relates to a method of manufacturing a window transparent for electrons of an electron beam (E), in particular of an X-ray source. In order to enable a less costly and elaborate manufacture of such a window and in order to prevent unwanted sharp edges in a window area which may damage the window foil (2), a method is proposed comprising the steps of providing on a surface (11) of a carrier element (1) to which a window foil (2) shall be a fixed a receiving area (13, 16) for receiving a soldering material (3) used for fixing said window foil (2) to said carrier element (1), said carrier element (1) comprising a through hole (12) for the transmission of said electrons (E), covering said surface (11) having said receiving area (12) with a soldering material (3) such that substantially only said receiving area (13, 16) is filled with soldering material (3), placing said window foil (2) on top of said surface (11) and heating said soldering material (3) for fixing said window foil (2) to said surface (11).



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

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